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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631,910	07/31/2003	Hiroyuki Yanagisawa	KON-1807	9630
20311	7590 10/10/2006		EXAMINER	
LUCAS & MERCANTI, LLP 475 PARK AVENUE SOUTH			CHEA, THORL	
15TH FLOOR		•	ART UNIT	PAPER NUMBER
NEW YORK	K, NY 10016	•	1752	
			DATE MAILED: 10/10/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	- , -, -, , ,				
	Application No.	Applicant(s)			
Office Action Commence	10/631,910	YANAGISAWA, HIROYUKI			
Office Action Summary	Examiner	Art Unit			
	Thorl Chea	1752			
The MAILING DATE of this communication apperiod for Reply	opears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a relative to reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).		nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status	•				
1) Responsive to communication(s) filed on 25.	July 2006.				
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) ☐ Claim(s) 1-12 and 14-20 is/are pending in the 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-12, 14-20 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.				
Application Papers					
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the	cepted or b) objected to by the E drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea	nts have been received. Its have been received in Application or its documents have been received in the control of the contr	on No d in this National Stage			
* See the attached detailed Office action for a lis Attachment(s)	t of the certified copies not receive	d.			
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	Paper No(s)/Mail Da	•			

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DETAILED ACTION

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on July 25, 2006 has been entered.
- 2. Claims 1-12, 14-20 are pending in this instant application; claim 13 has been canceled.
- 3. The rejections in paragraph s 9-112 set forth in the Final Office Action on April 25, 2006 are withdrawn in view of the statement of common ownership in the response on June 26, 2006, and the Terminal Disclaimer submitted on June 26, 2006.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-12, 14-20 are rejected under 35 U.S.C. 103(a) as obvious over either EP 1278101 (EP'101), Nishijima et al (US Patent No. 6,699,649) or Patent Specification 1543266 (PS'266) in view of Yoshioka et al (US Patent No. 6,413,712).
- EP'101, Nishijima et al and PS'266 each discloses a photothermographic material containing a reducing agent having formula with the scope of A-1 claimed, except the compound of formula A-4. See EP'101, Nishijima et al and PS'266 on page 15, formula (I) wherein R3 represent an aryl group (a phenyl group or naphthyl group). Yoshioka et al disclose a compound of formula

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claimed in the present claimed which when used in combination with a bisphenols compound provide a photothermographic material affording a sufficient image density under general image producing conditions and capable of suppressing the time-dependent tint of the white background after development processing. See column 2, lines 12-18 and formula (II). It would have been obvious to the worker of ordinary skill in the art at the time the invention was made to use the phenol compound taught in Yoshioka et al in the material of either EP'101, Nishijima et al or PS'266 with an expectation of achieving a photothermographic material affording a sufficient image density under general image producing conditions and capable of suppressing the time-dependent tint of the white background after development processing, and thereby provide a material as claimed. The regression value as claimed is considered as inherent to the combination of reducing agent stem obtained by the combination of those taught in the applied prior art of record after the image forming process since the combination of the bisphenols reducing agent and the phenol compound taught in Yoshioka et al provide a sufficient density and suppressing the time depend tint of the white back ground after processing, and the regression value present in the claimed invention is related to the control of color tone of the material after processing.

6. Claims 1-12, 14-20 are rejected under 35 U.S.C. 103(a) as obvious over the combination of Oya et al (US Patent No. 6,376,166) and Yoshioka et al (US Patent No. 6,413,712).

Oya discloses photothermographic material having a reducing agent within the scope of the claimed invention. See compound of formula (I) in the abstract and the definition of V⁹ in column 7, lines 55-60 which an aryl group such as phenyl, p-methylphenyl and naphthyl, except the compound of formula (A-4). Yoshioka et al disclose a compound of formula A-4 claimed in

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the present claimed which when used in combination with a bisphenols compound provide a photothermographic material affording a sufficient image density under general image producing conditions and capable of suppressing the time-dependent tint of the white background after development processing. See column 2, lines 12-18 and formula (II). It would have been . obvious to the worker of ordinary skill in the art at the time the invention was made to use the phenol compound taught in Yoshioka et al in the material of Oya et al with an expectation of achieving a photothermographic material affording a sufficient image density under general image producing conditions and capable of suppressing the time-dependent tint of the white background after development processing, and thereby provide a material as claimed. The regression value as claimed is considered as inherent to the combination of reducing agent obtained by the combination of those taught in the applied prior art of record after the image forming process since the combination of the bisphenols reducing agent and the phenol compound taught in Yoshioka et al provide a sufficient density and suppressing the time depend tint of the white back ground after processing, and the regression value present in the claimed invention is related to the control of color tone of the material after processing.

Response to Arguments

7. Applicant's arguments filed June 26, 2006 have been fully considered but they are not persuasive of the reason set forth in the Final Office Action on April 25, 2006. The present invention is related to the combination of known reducing agent for silver ion that have been known and disclosed in the applied prior art of record. The applicants appear to argue that the reducing agent may have been known in the art, but the material contains such reducing agents and have a coefficient of determination R² of the regression line is from 0.998 to 1.0 provide an

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improved results such as image quality and physical evaluation such as demonstrated in the Declaration submitted on January 18, 2006 by Hiroyuki Yanagisawa.

It is the Examiner's position that the Declaration provided on January 18, 2006 and August 9, 2006 fails to overcome the rejections set forth above. First, there is no comparative data associated with the Declaration submitted on August 9, 2006. Therefore, the unexpected results asserted by the applicants cannot be determined. Second, the claimed invention is related to the regression line using deferent coordinates (L* u* v*) and (L*a*b*). However, the Declaration fails to clearly state whether the results shown in the Declaration are independent from the type of coordinates used in plotting. See the plotting in claims 1, 4 is related to optical densities 0.5, 1.0, 1.5 and minimum density. Claims 7 and 10 is related to the plotting using optical densities 0.5, 1.0, 1.5. The Declaration fails to state whether the plotting presented therein correspond to the use of the minimum density or without the use of the densitity. The Declarations being presented are silent with the coordinates and optical densities using in the plotting while the coefficient of the determination R² of the regression line is critical to the claimed invention. In their response on June 26, 2006, the applicants argue that the system using coordinates (u*,v*) and (a*,b*) are well known and well recognize as different. However, the Declaration fails to show the results within the scope of each coordinate system. Third, the range of the coefficient of the determination R² of the regression line from 0.998 to 1.0 is critical to the claimed invention. However, results shown in the Declaration such as January 18, 2006 is not commensurate with the scope of the claims. The value of the lower limit of 0.998 and the value of above 1.0 has not been shown. Therefore, the criticality of the whole range of 0.998 to 1.0 cannot be determined.

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Accordingly, it is believed that the invention as claimed still prima facie obvious over the

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combination of the applied prior art of record.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thorl Chea whose telephone number is (571) 272-1328. The

examiner can normally be reached on 9 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Cynthia H. Kelly can be reached on (571)272-1526. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tchea HM

September 28, 2006

Thorl Chea

Primary Examiner

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